

SUBSTITUTE ABSTRACT

IR-2281 (2-3807)

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TEMPERATURE COMPENSATED BANDGAP VOLTAGE REFERENCE

ABSTRACT OF THE DISCLOSURE

A bandgap voltage reference circuit comprising a first circuit providing a first voltage representative of substantially proportional to V_{be} of a first bipolar transistor, a second circuit providing a second voltage ΔV_{be} representative of substantially proportional to the difference of two V_{be} voltages of two bipolar transistors, and a 10 comparator having respective inputs receiving voltages representative of coupled to V_{be} and ΔV_{be} and an output coupled to the base of the first bipolar transistor whereby a voltage representative of substantially proportional to the sum of respective constants multiplying V_{be} and ΔV_{be} is provided at the output of the comparator.